

## Product datasheet for TP302959

### OPA3 (NM\_025136) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human optic atrophy 3 (autosomal recessive, with chorea and spastic paraplegia) (OPA3), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202959 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MVGAFPMAKLLYLGIRQVSKPLANRIKEAARRSEFFKTYICLPPAQLYHWVEMRTKMRIMGFRGTVIKP LNEEAAAELGAELLGEATIFIVGGCLVLEYWRHQAQQRHKEEQRAAWNLRDEVGHLALALEALQAQV QAAPPQGALEELRTELQEVRAQLCNPGRSASHAVPASKK  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	19.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_079412</a>
Locus ID:	80207
UniProt ID:	<a href="#">Q9H6K4</a>



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RefSeq Size: 7889

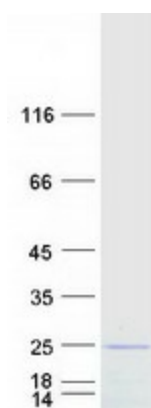
Cytogenetics: 19q13.32

RefSeq ORF: 537

Synonyms: MGA3

**Summary:** The mouse ortholog of this protein co-purifies with the mitochondrial inner membrane. Mutations in this gene have been shown to result in 3-methylglutaconic aciduria type III and autosomal dominant optic atrophy and cataract. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009]

### Product images:



Coomassie blue staining of purified OPA3 protein (Cat# TP302959). The protein was produced from HEK293T cells transfected with OPA3 cDNA clone (Cat# [RC202959]) using MegaTran 2.0 (Cat# [TT210002]).